

QTR/QTRX/QTRXL Reflectance Sensor Arrays

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Schematic diagram

QTR-HD-01A

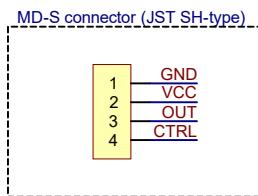
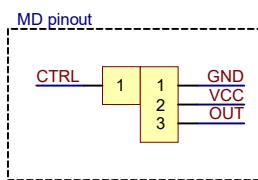
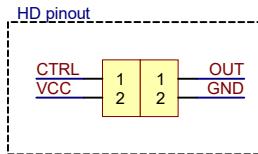
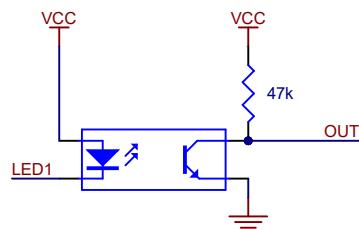
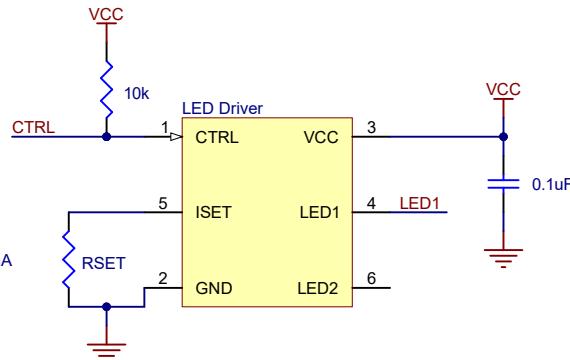
QTRX-HD-01A

QTRXL-HD-01A

QTR-MD-01A(-S)

QTRX-MD-01A(-S)

QTRXL-MD-01A(-S)



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Schematic diagram

QTR-HD-01RC

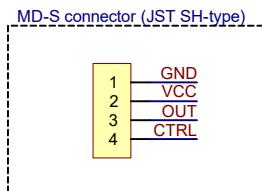
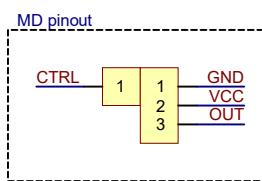
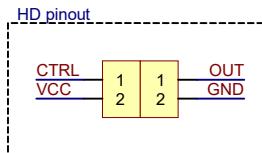
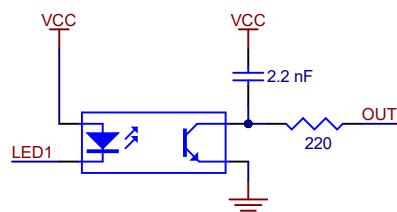
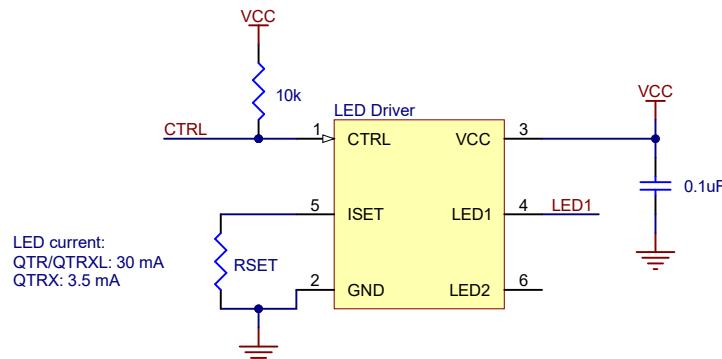
QTRX-HD-01RC

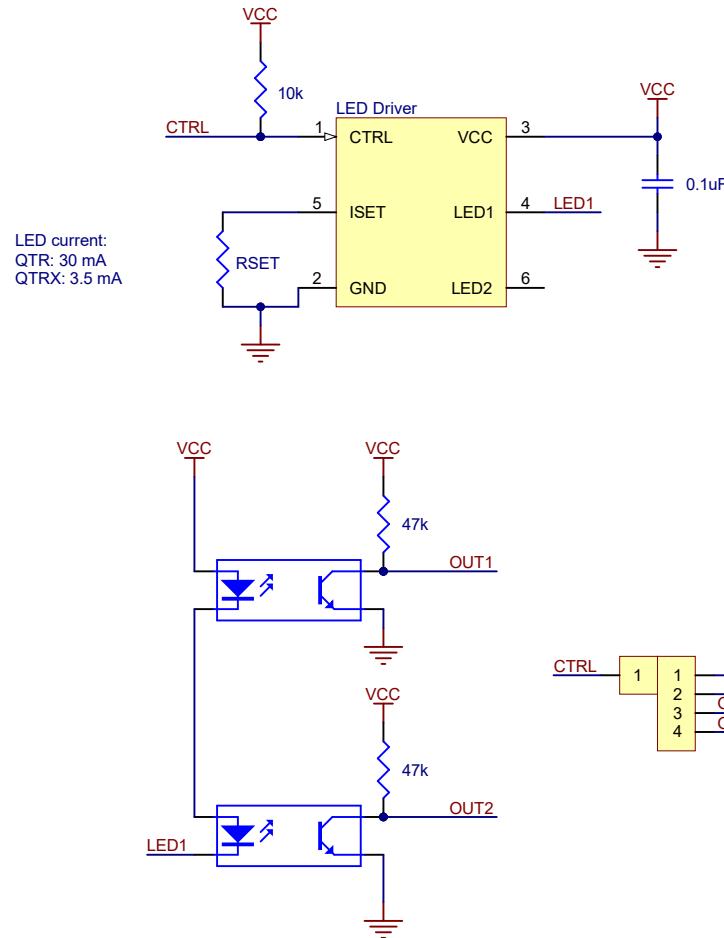
QTRXL-HD-01RC

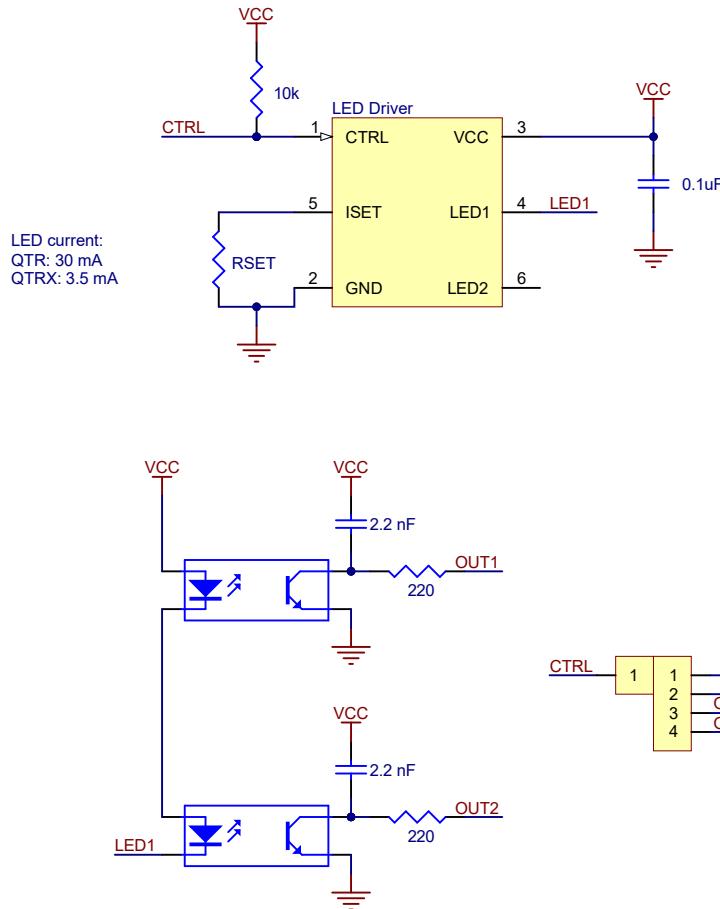
QTR-MD-01RC(-S)

QTRX-MD-01RC(-S)

QTRXL-MD-01RC(-S)

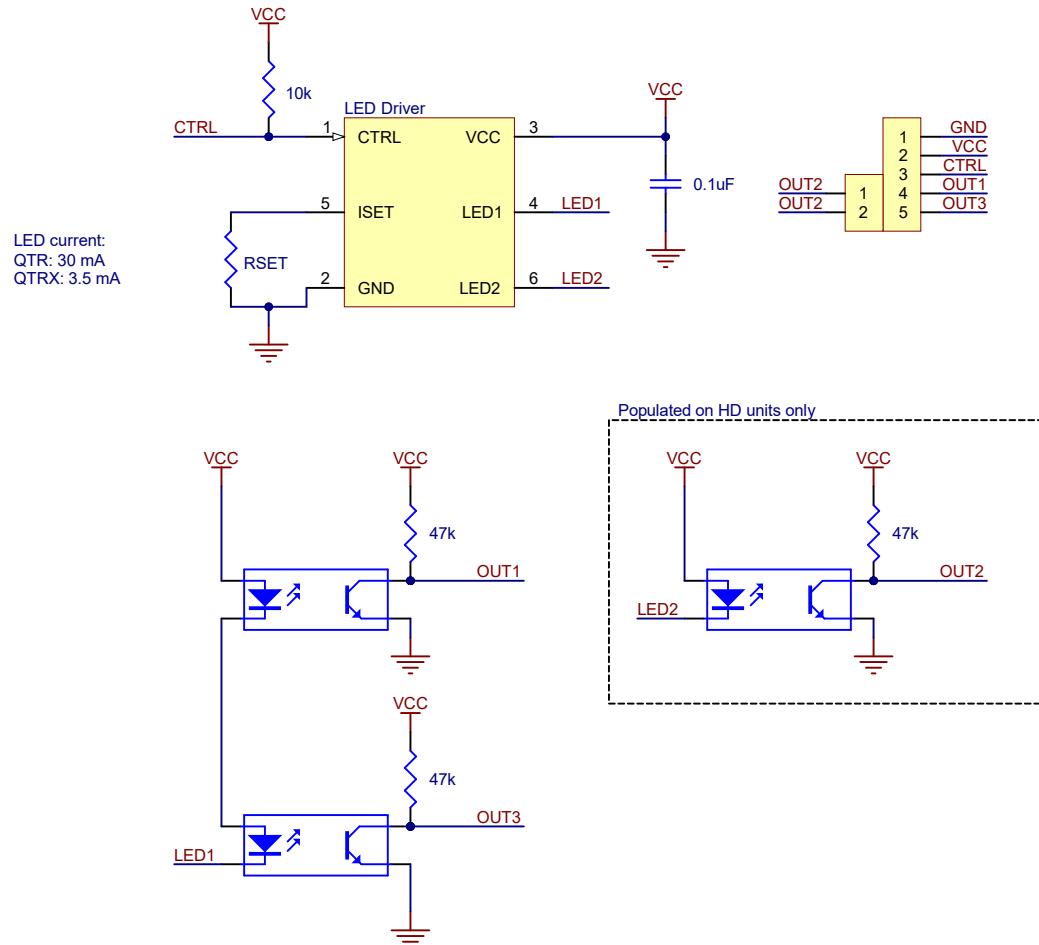






QTR-HD-03A
QTRX-HD-03A

QTR-MD-02A
QTRX-MD-02A



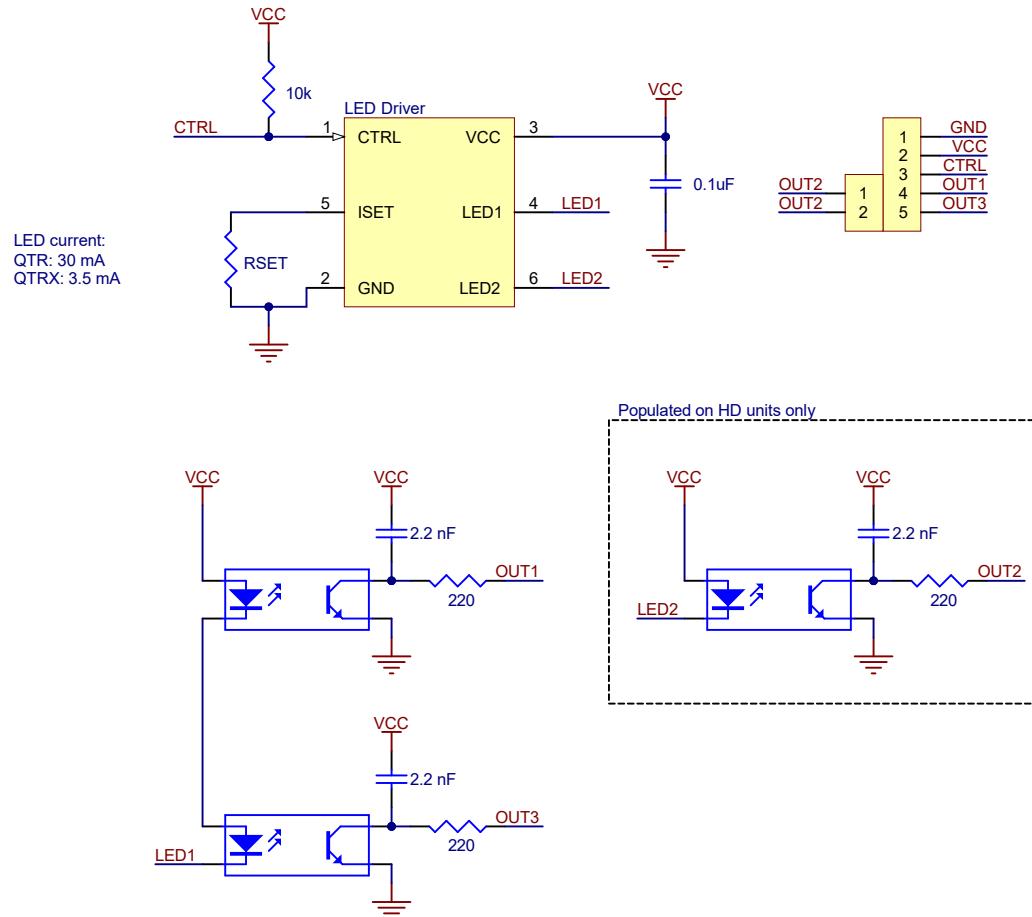
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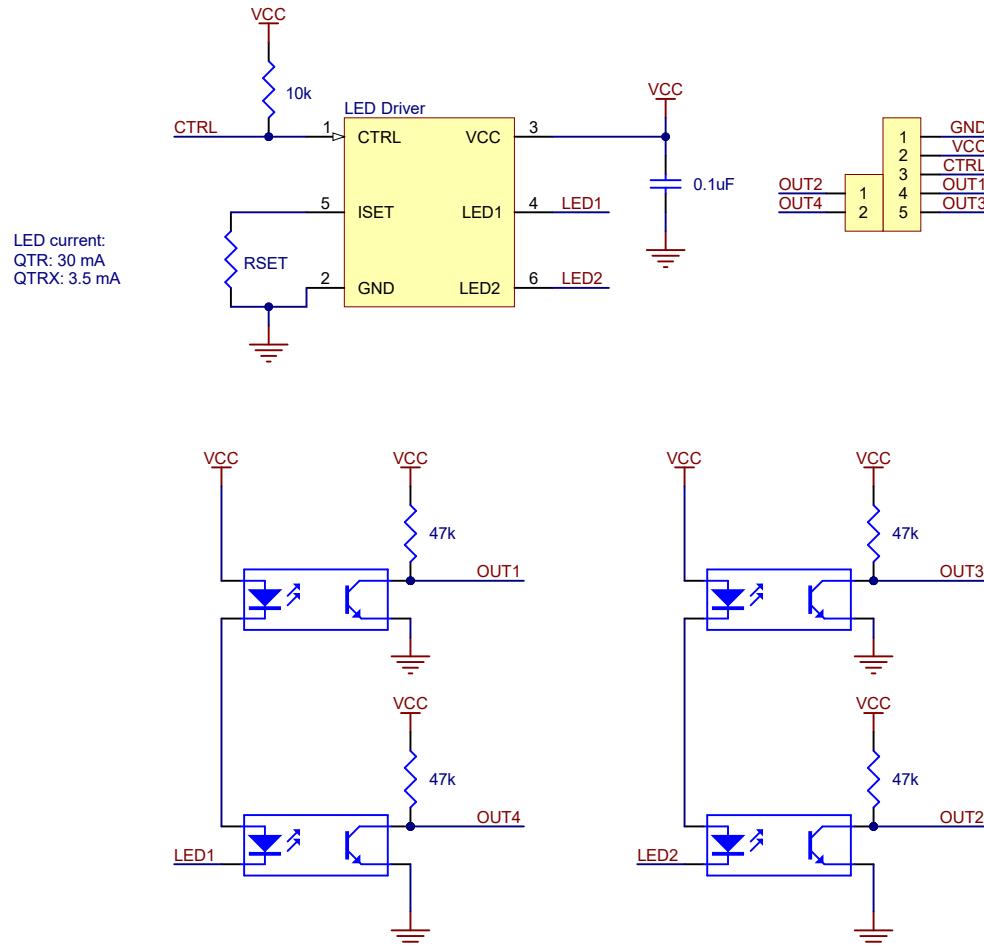
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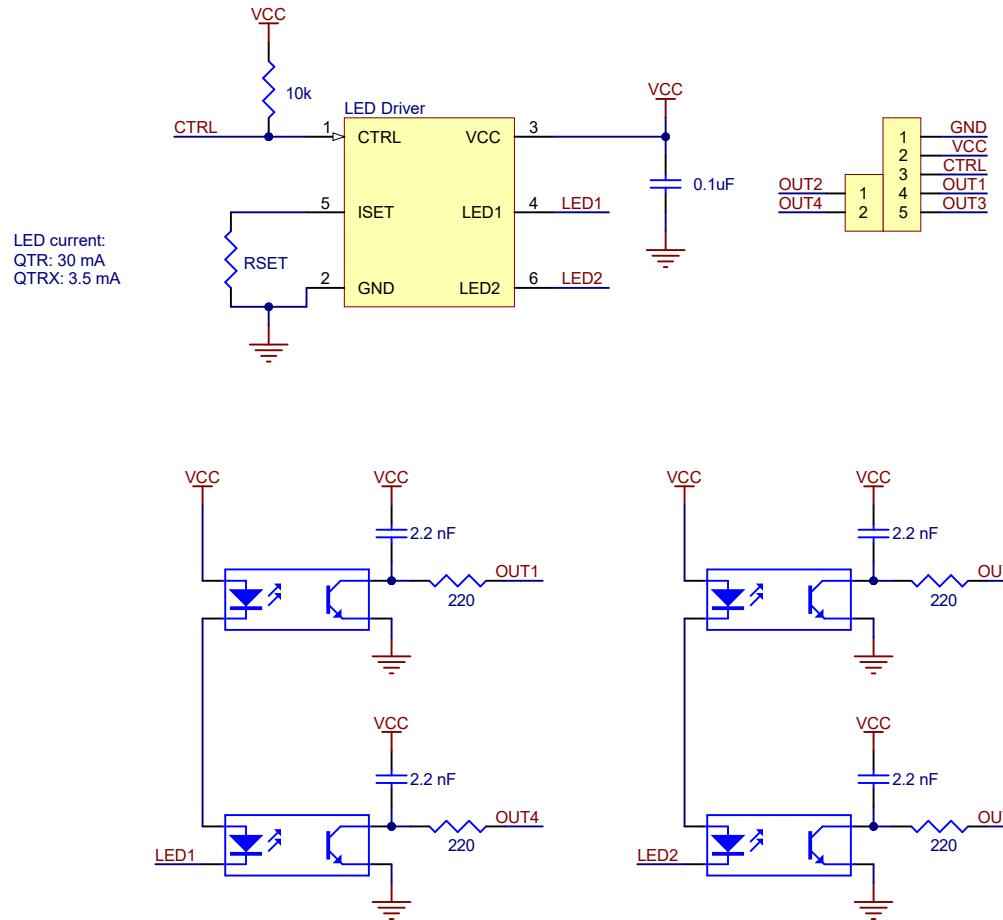
Schematic diagram

QTR-HD-03RC
 QTRX-HD-03RC

QTR-MD-02RC
 QTRX-MD-02RC







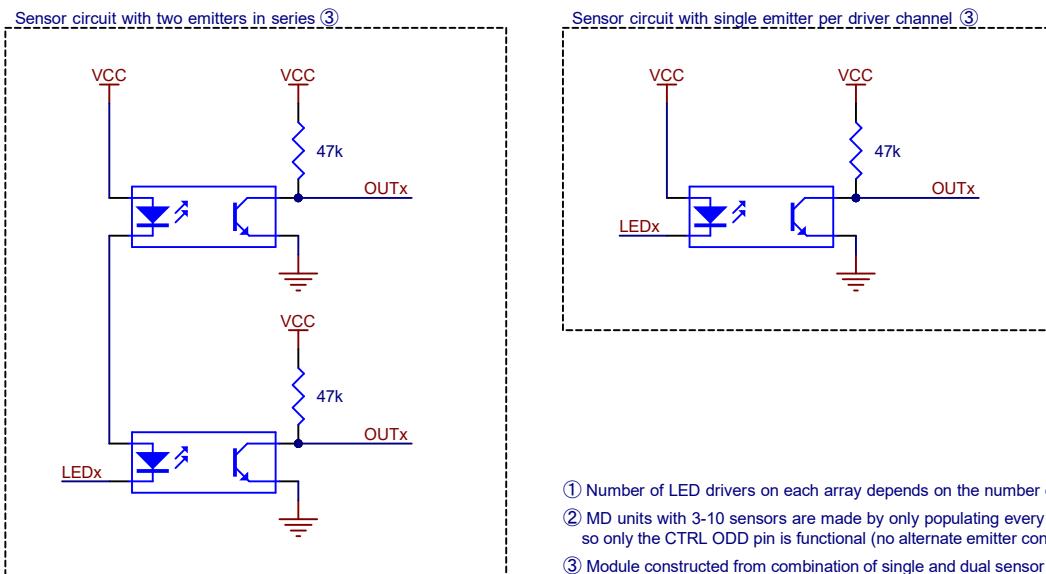
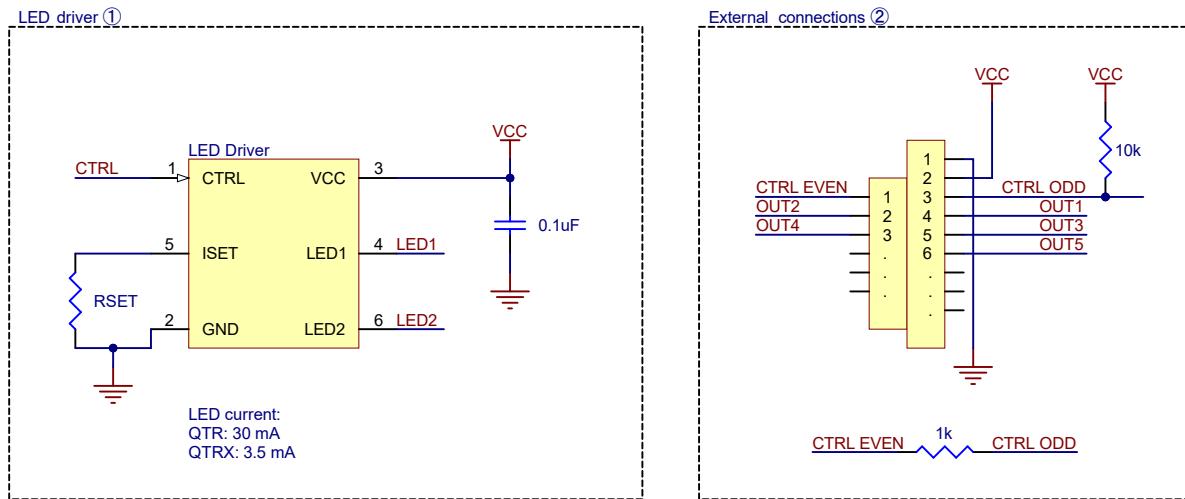
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Schematic diagram

QTR-HD-nA
 QTRX-HD-nA
 (for $n \geq 5$)

QTR-MD-nA
 QTRX-MD-nA
 (for $n \geq 3$) ②



- ① Number of LED drivers on each array depends on the number of sensors populated
- ② MD units with 3–10 sensors are made by only populating every other sensor on an HD board, so only the CTRL ODD pin is functional (no alternate emitter control)
- ③ Module constructed from combination of single and dual sensor circuits

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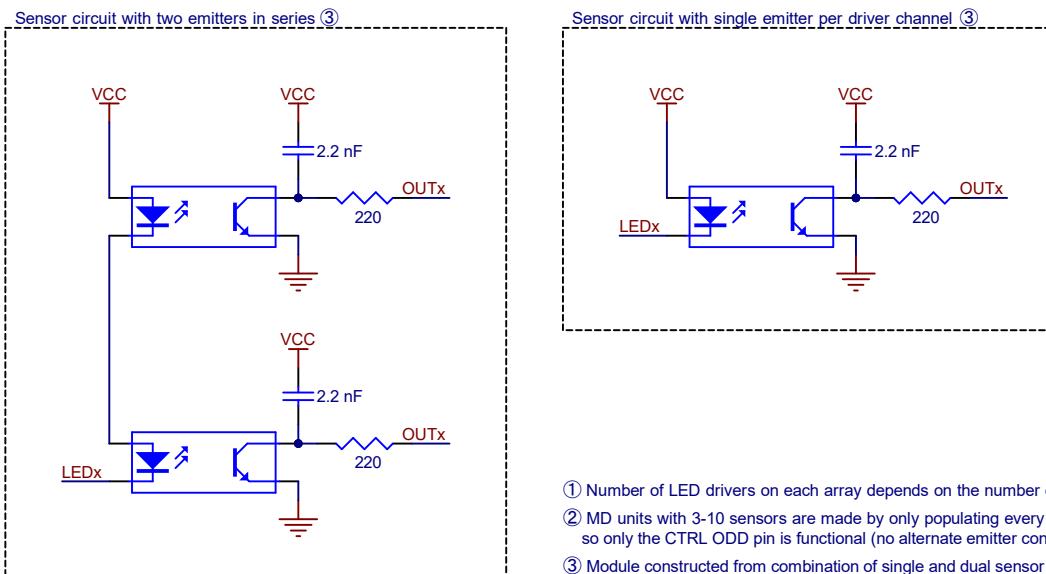
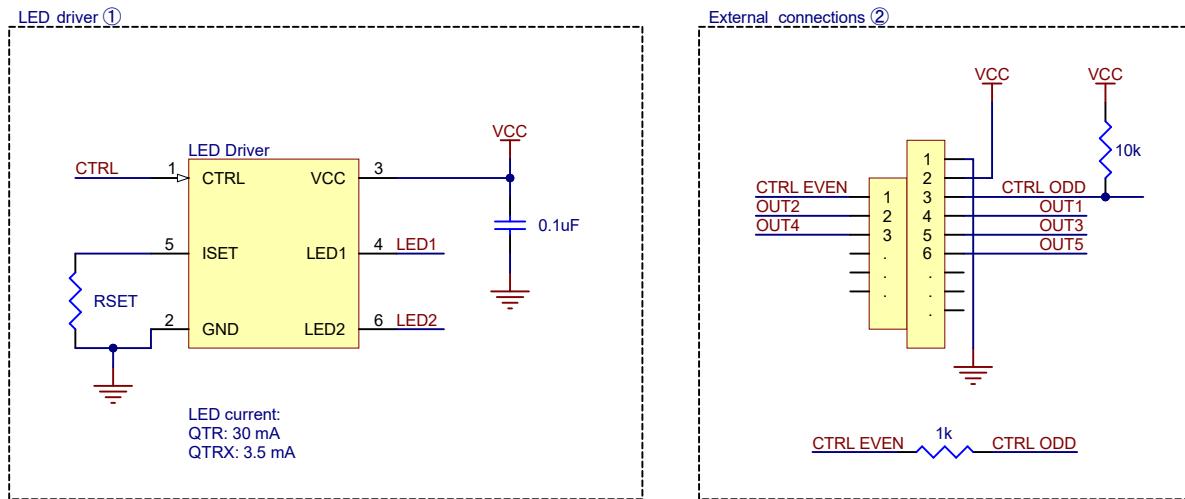
Schematic diagram

QTR-HD-nRC

QTRX-HD-nRC
 (for $n \geq 5$)

QTR-MD-nRC

QTRX-MD-nRC
 (for $n \geq 3$) ②



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